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DATE MAILED: 03/31/2008

# NOTICE OF ALLOWANCE AND FEE(S) DUE

7590 03/31/2008

DANN, DORFMAN, HERRELL & SKILLMAN 1601 MARKET STREET SUITE 2400 PHILADELPHIA. PA 19103-2307 EXAMINER
TSAY, MARSHA M

ART UNIT PAPER NUMBER

 APPLICATION NO.
 FILINO DATE
 FIRST NAMED INVENTOR
 ATTORNEY DOCKET NO.
 CONFIRMATION NO.

 10/537,648
 06/06/2005
 Zhi-Cheng Xiao
 0380-P03063US 1
 6299

TITLE OF INVENTION; PEPTIDES, ANTIBODIES THERETO, AND THEIR USE IN TREATMENT OF CENTRAL NERVOUS SYSTEM, DAMAGE

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/30/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 1SI. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FFE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

# Complete and send this form, together with applicable fee(s), to: Mail Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

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appropriate. All further indicated unless correct maintenance fee notifica	correspondence includir ed below or directed oth	ng the Patent, advance on herwise in Block 1, by (a	rders and notification of r a) specifying a new corres	naintenance fees wil spondence address; a	Il be mailed to the current and/or (b) indicating a sep	correspondence address a arate "FEE ADDRESS" fo
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1601 MARKET SUITE 2400		2000	I bo	Certi	ficate of Mailing or Trans	smission g deposited with the United st class mail in an envelope above, or being facsimile late indicated below.
PHILADELPHI	A, PA 19103-2307					(Depositor's name)
			_			(Signature)
						(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR		ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,648 TITLE OF INVENTION	06/06/2005 i: PEPTIDES, ANTIBOL	DIES THERETO, AND T	Zhi-Cheng Xiao HEIR USE IN TREATME	NT OF CENTRAL	0380-P03063US 1 NERVOUS SYSTEM, DA	6299 MAGE
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EXAM	IINER	ART UNIT	CLASS-SUBCLASS	]		
TSAY, M.		1656	530-328000	•		
I. Change of correspondence address or indication of "Fee Address" (37 CFR 1.85).  Change of correspondence address for Change of Correspondence Address from PIOSB/12) anached.  The Address from PIOSB/12) anached.  The Address' indication for "Fee Address" Indication for PIOSB/14) and PIOSB/14 for See Address' Indication for Number is required.  ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON		nge of Correspondence  "Indication form ed. Use of a Customer	(1) the aames of up to 3 registered patent attorneys 1.  (2) the name of a single firm (having as a member a registered attorney or agents) and the names of up to 1.  Its control is the control in the name of up to 1.  Its control is the control in the name of up to 1.  Its control is control in the name of up to 1.  Its control is control in the name of up to 1.			
PLEASE NOTE: Un recordation as set for (A) NAME OF ASSI	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on the p T a substitute for filing an (B) RESIDENCE: (CITY	atent. If an assigned assignment. and STATE OR CO	OUNTRY)	oup entity Government
4a. The following fee(s)  Issue Fee Publication Fee (N	vo small entity discount p		A check is enclosed.  Payment by credit car	d. Form PTO-2038	e the required fee(s), any de	
	s SMALL ENTITY state	is. See 37 CFR 1.27.			LENTITY status. Sec 37 C	
NOTE: The Issue Fee an interest as shown by the	d Publication Fee (if req records of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other than t Office.	he applicant; a regist	ered attorney or agent; or t	he assignee or other party ir
Authorized Signature				Date		
Typed or printed name		Registration No.				
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## UNITED STATES PATENT AND TRADEMARK OFFICE

### NITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Offic Address: COMMISSIONER FOR PATENTS

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DANN, DORFMAN, HERRELL & SKILLMAN			TSAY, M.	ARSHA M
1601 MARKET S	STREET		ART UNIT	PAPER NUMBER
SUITE 2400 PHILADELPHIA	A. PA 19103-2307		1656	

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

# Notice of Allowability

Application No.	Applicant(s)
10/537,648	XIAO, ZHI-CHENG
Examiner	Art Unit
Mareha M. Teav	1656

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence addresstive

All claims being allowable, PROSECUTION ON THE MERITS IS (OR herewith (or previously mailed), a Notice of Allowance (PTOL-85) or o NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313 and	ther appropriate communication will be mailed in due course. THIS IS. This application is subject to withdrawal from issue at the initia
1.   This communication is responsive to <u>amendment received Jan</u>	uary 14, 2008.
2. The allowed claim(s) is/are 2.12.15.67 and 72.	
3.  ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the: 1.  ☐ Certified copies of the priority documents have bee 2.  ☐ Certified copies of the priority documents have bee 3.  ☐ Copies of the certified copies of the priority documents have bee where the priority documents have bee of the priority documents have bee of the copies of the certified copies of the priority documents have been decreased to the priority documents have	en received.  en received in Application No  ents have been received in this national stage application from the  is communication to file a reply complying with the requirements
A SUBSTITUTE OATH OR DECLARATION must be submitted INFORMAL PATENT APPLICATION (PTO-152) which gives re	
CORRECTED DRAWINGS ( as "replacement sheets") must be     (a)	Patent Drawing Review (PTO-948) attached sendment / Comment or in the Office action of sendment / Comment or in the Office action of sendment of the front (not the back) of seader according to 37 CFR 1.121(d).
Attachment(s)  1.   Notice of References Cited (PTO-892)  2.   Notice of Draftperson's Patent Drawing Review (PTO-948)  3.   Information Disclosure Statements (PTO/SB/08),	Notice of Informal Patent Application     Interview Summary (PTO-413),     Paper No./Mail Date     .     ⊠ Examiner's Amender!/Comment

- of Biological Material
- 8. X Examiner's Statement of Reasons for Allowance
- 9. 🔲 Other \_\_\_\_\_.

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#### EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Dr. Kathleen Rigaut on March 20, 2008.

The application has been amended as follows:

In the claims:

- 1. (canceled)
- (currently amended) An isolated peptide consisting of [[an]] the amino acid sequence of YLTQPQS (SEQ ID NO: 1).
- 3-11. (canceled)
- 12. (currently amended) A composition for the treatment of eentral nervous system damage spinal cord injury comprising one or more peptides selected from the group consisting of
  - (a) a peptide consisting of the amino acid sequence of YLTQPQS (SEQ ID NO: 1); and
- (b) a peptide of up to 8 amino acids in length comprising the amino acid sequence of YLTQPQS (SEQ ID NO: 1), wherein the peptide of (b) has binding affinity for one or more neuronal growth inhibitor molecules selected from the group consisting of Nogo, Nogo-66, and myclin-associated glycoprotein (MAG);
- (e) a peptide up to 8 amino acids in length comprising an amino acid sequence having at least 6 residues identical with corresponding residues in the amino acid sequence of YLTQPQS

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(SEQ ID NO: 1), wherein the peptide has binding affinity for one or more neuronal growth inhibitor molecules selected from the group consisting Nogo, Nogo66 and myelin associated glycoprotein (MAG); together with one or more pharmaceutically acceptable ingredients, said composition optionally being formulated for injection.

13-14. (canceled)

15. (currently amended) A method for treating eentral nervous system damage spinal cord injury in a patient in need thereof comprising administering an effective amount of the composition of claim 12 at or near a site of CNS damage intrathecally in the patient.

16-27. (canceled)

67. (currently amended) An isolated peptide of up to 8 amino acids in length comprising the amino acid sequence of YLTQPQS (SEQ ID NO: 1), wherein the peptide has binding affinity for one or more neuronal growth inhibitor molecules selected from the group consisting of Nogo, Nogo-66 and myelin-associated glycoprotein (MAG).

68-71. (canceled)

72. (currently amended) A method as claimed in claim 15, wherein said damage is caused by a neuronal growth inhibitory molecule selected from the group consisting of Nogo, Nogo-66, and myelin-associated glycoprotein (MAG).

The following is an examiner's statement of reasons for allowance: claims 2, 12, 15, 67, 72 are drawn to a peptide consisting of the amino acid sequence of YLTQPQS (SEQ ID NO: 1) and a method for treating spinal cord injury comprising administering an effective amount of

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said sequence. A search of the prior art reveals that SEQ ID NO: 1 is novel; therefore, the instant claims are novel and non-obvious.

Claims 2, 12, 15, 67, 72 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance"

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marsha M. Tsay whose telephone number is (571)272-2938. The examiner can normally be reached on M-F, 9:00am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Kathleen Kerr Bragdon can be reached on 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <a href="http://pair-direct.uspto.gov">http://pair-direct.uspto.gov</a>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Maryam Monshipouri/

Primary Examiner, Art Unit 1656

March 20, 2008